2009 CRF450R Z-Fi MX

INSTALLATION INSTRUCTIONS
P/N F331

<div style="border:2px solid red">

WARNING!
USE ONLY IN RACE OR OTHER CLOSED COURSE APPLICATIONS AND NEVER ON PUBLIC ROADS

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PARTS LIST:

Z-Fi MX Control Unit
Fuel Harness
DOWNLOAD Z-FI MAPPER SOFTWARE & ITS INSTRUCTIONS FROM WEBSITE
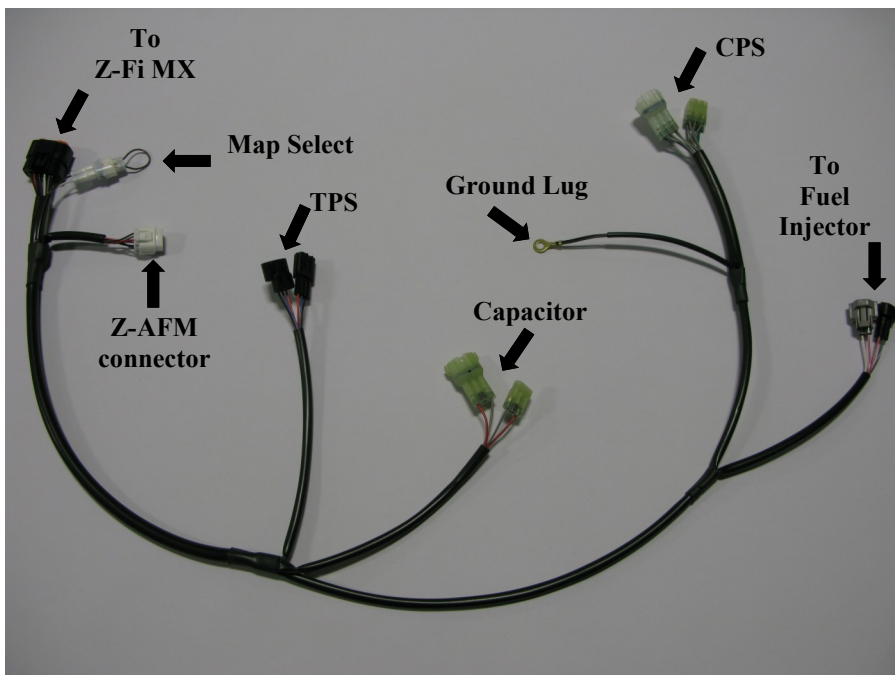**USB Cable**
Z-Fi MX aluminum bracket
Velcro
Bazzaz stickers
Cable ties

Read through all instructions before beginning installation.
This is not a replacement for the ECU.

WE STRONGLY SUGGEST THAT AN EXPERIENCED TECHNICIAN INSTALL THIS BAZZAZ PRODUCT

When routing the Z-Fi MX harness it is best to choose a routing path similar to that of the OEM harness. The Bazzaz harness is designed with lengths that allow for multiple scenarios, dependent of the installers individuals needs. IMPORTANT: Always secure harness clear of all moving components and the exhaust system. As contact with these components can result in damage to the harness.

1. Remove the seat, left and right side covers, and fuel tank. Refer to factory service manual.

2. Locate the fuel injector (photo 1), disconnect the stock connector and connect the Z-Fi MX harness in-line with the fuel injector and stock connector. (Photo 2)
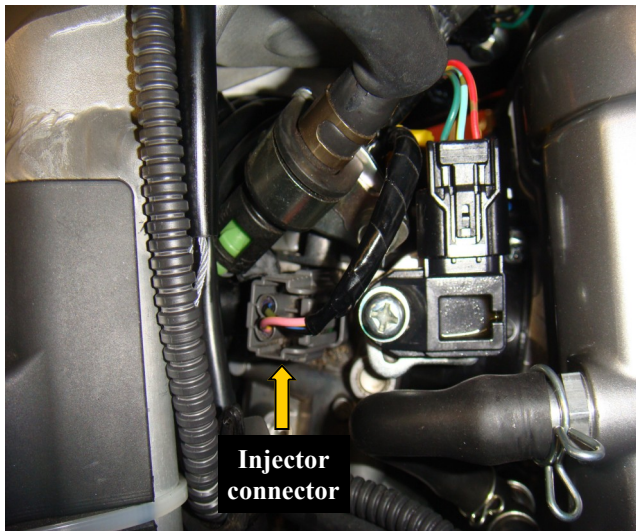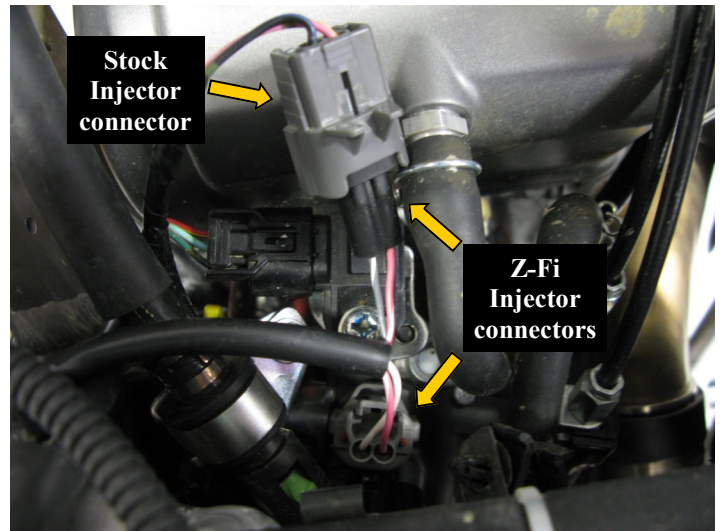

Photo 1

Photo 2

3. Locate the throttle position sensor near the left side of the frame (photo 3). Disconnect the stock TPS connector and connect the Z-Fi MX harness in-line with the TPS sensor and stock connector. (Photo 4)
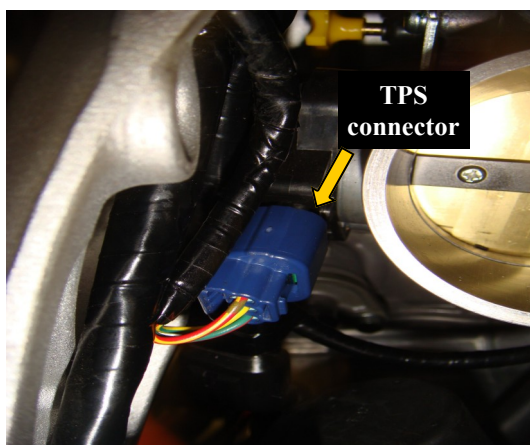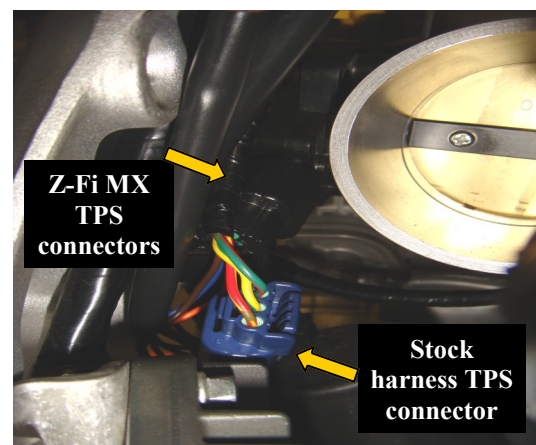

Photo 3

Photo 4

2

4. Route Z-Fi harness following the stock harness routing. (Photo 5)

Toward CPS

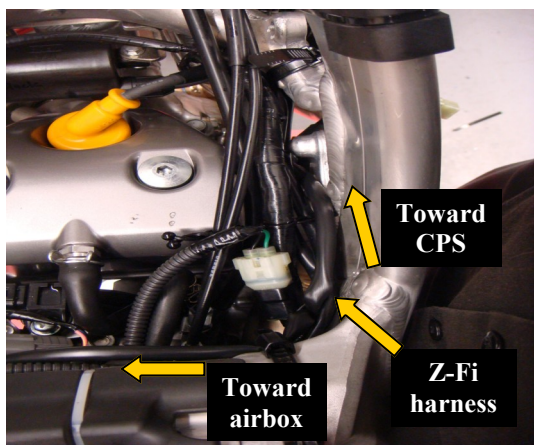**Toward airbox**

Z-Fi harness

Photo 5

5. Locate the Crank Position Sensor (CPS) connector, a clear color, six pin connector toward the front right of the frame near the radiator (photo 6). Disconnect the CPS sensor connectors and connect the Z-Fi harness in-line with these connectors. (Photo 7)
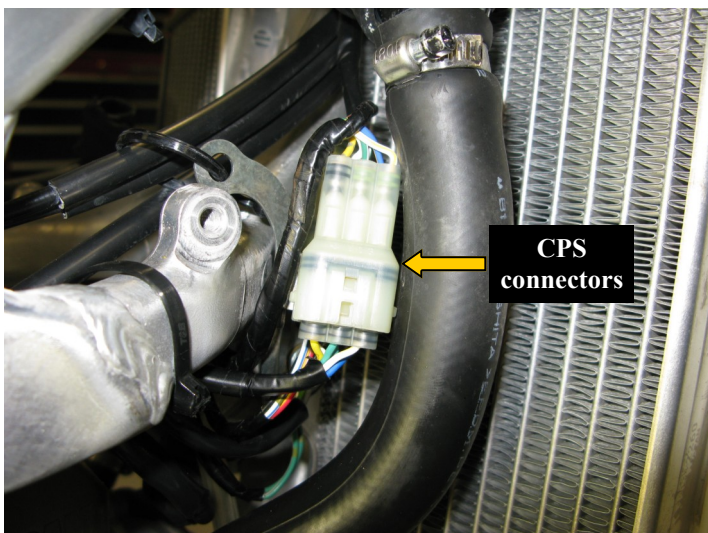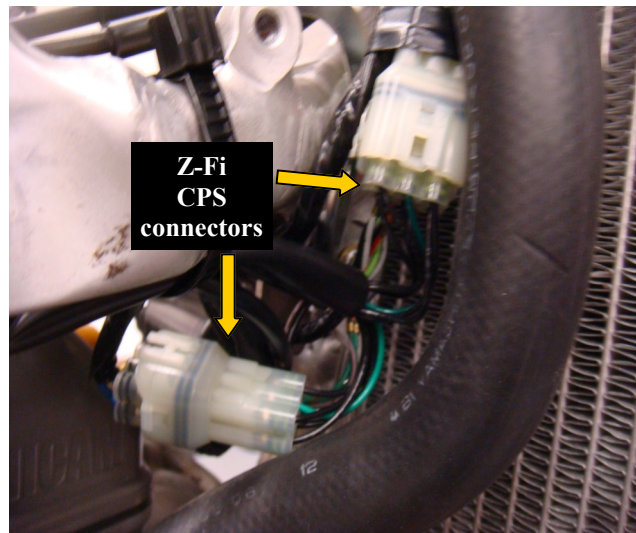

CPS connectors

Photo 6

Z-Fi CPS connectors

Photo 7

6. Attach the Z-Fi harness ground wire to the motorcycles chassis ground. (Photo 8)
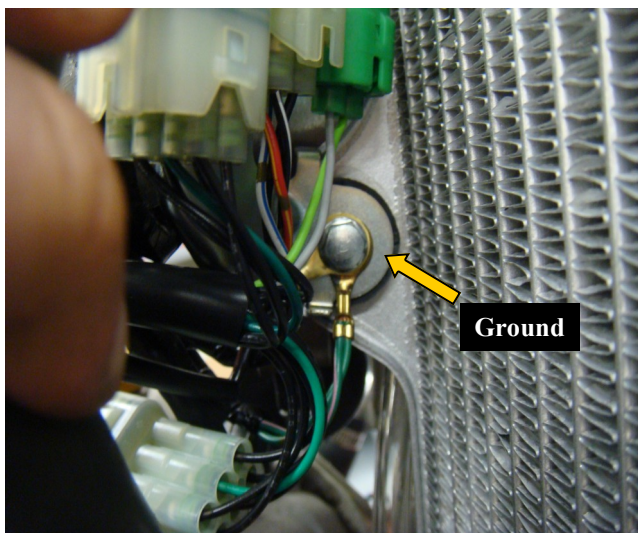

Ground

Photo 8

7. Locate the capacitor connector, a black two pin connector with one red wire and one green wire near the lower left frame (photo 9). Disconnect the capacitor connectors and connect the Z-Fi harness in-line with these connectors. (Photo 10)
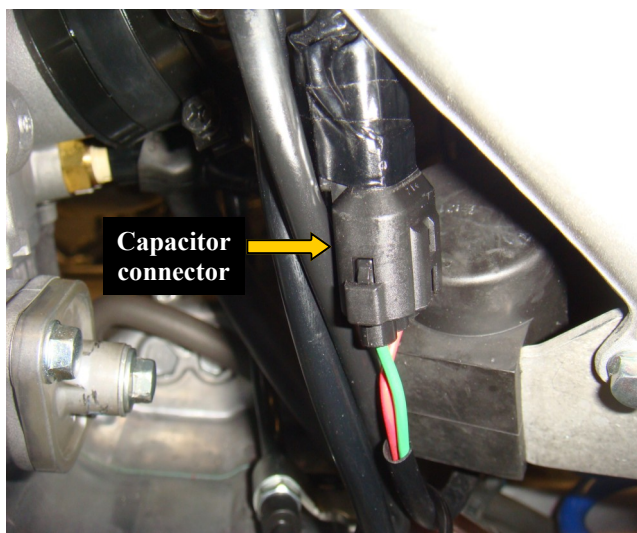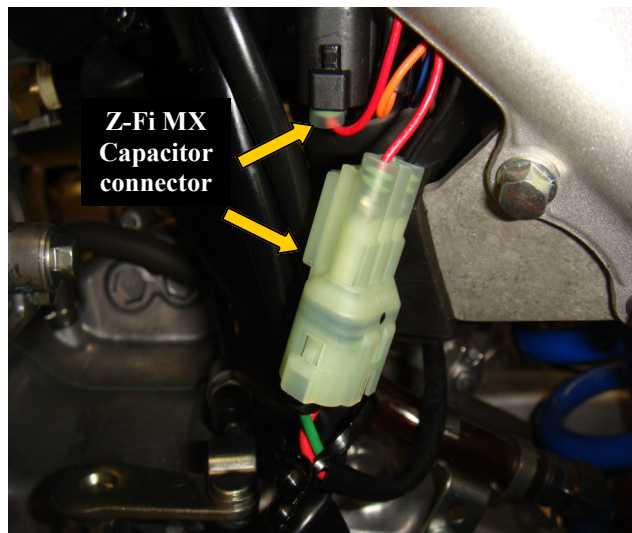

Photo 9

Photo 10

8. Raise the subframe (refer to service manual) and route the Z-Fi harness back into the airbox. (Photo 11)
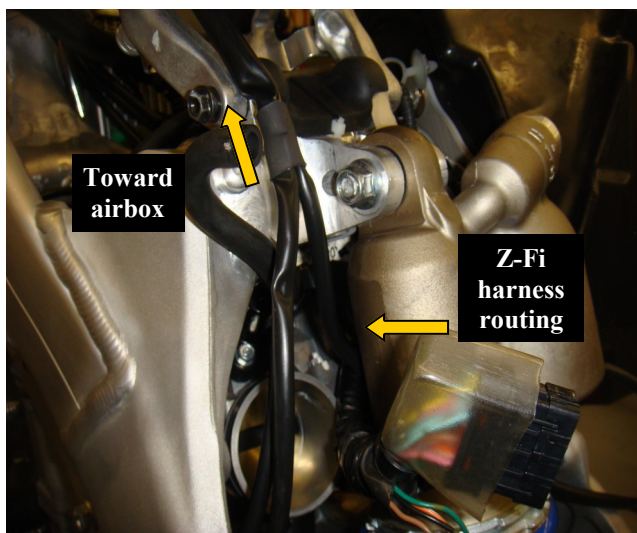

Photo 11

9. Lower and re-attach the subframe (refer to service manual).

10. Attach supplied Velcro adhesive to Z-Fi MX bracket and back of the Z-Fi. Connect the black main harness connector into the Z-Fi unit. (Photo 12)
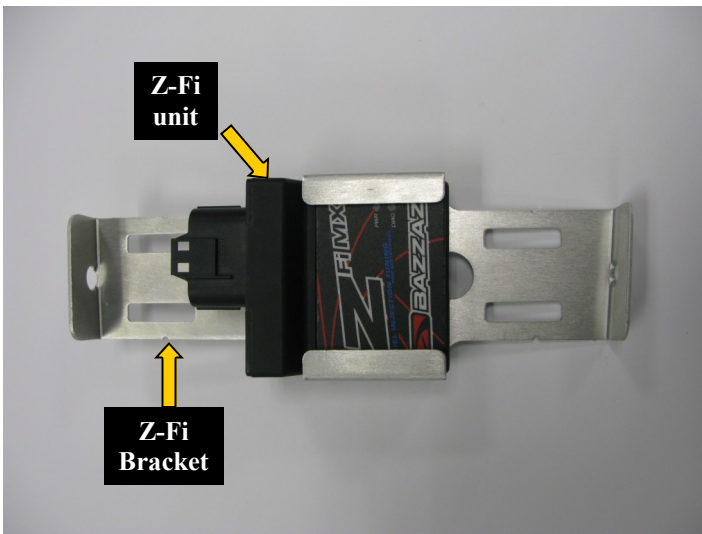
Z-Fi unit

Z-Fi Bracket

Photo 12

11. Attach the Z-Fi bracket to the subframe using the cable ties provided. (Photo 13)
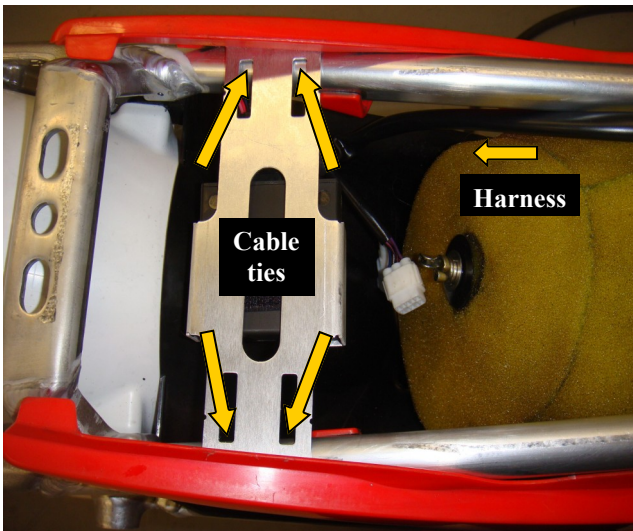

Harness

Cable ties

Photo 13

12 Check that all wiring connections are tight.

13. Re-install fuel tank, left and right side panels, and seat. Check that wiring is not pinched or kinked.

14. If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Bazzaz tech support department at (909) 628-8616.

The Bazzaz Z-Fi MX controller is capable of storing two maps. These maps can be selected through the use of a map select switch which can be mounted on the handlebar for easy access and can be purchased separately. Or these maps can be selected by connecting or disconnecting the map select jumper supplied with kit. When the map select jumper is connected the control unit is operating using map 1 (photo 14). When the map select jumper is disconnected the control unit is operating using map 2. (Photo 15).
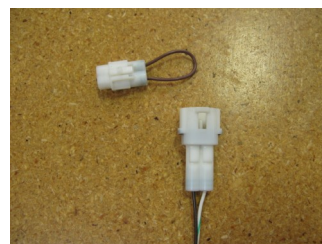

Photo 14

Photo 15

5

*To create the ideal map(s) we recommend using the optional Z-AFM self-tuning module. *